

TURCO PRODUCTS

MATERIAL SAFETY DATA SHEET

HAZARD RATING		Fire	Reactivity
4 = EXTREME	3 = HIGH	1	0
2 = MODERATE	1 = SLIGHT	3	*
0 = INSIGNIFICANT	Toxicity		
* = CHRONIC HEALTH HAZARD	Special		
- SEE SECTION V			

SECTION I — PRODUCT NAME: Turco 4215 Special

ISSUE DATE: 11/5/85

Manufacturer's Name: **TURCO PRODUCTS**
 Address: **24600 So. Main Street, Carson, CA 90749**
 Emergency Telephone No.: **(213) 634-3300**

SECTION II — HAZARDOUS INFORMATION:

COMPONENTS	C.A.S. Number	CERCLA PC SPILL #	RCRA Waste #	ACGIH TLV	OSHA TWA	%, WT.
Sodium tetraborate pentahydrate	1330434	NtLsTD	NtLstd	1mg/m ³	Nt Estab.	50
Sodium tripoly phosphate	13573187	NtLstd	NtLstd	Nt Establ.	Nt.Estab.	35
Sodium chromate	7775113	1000	0007	50ug/m ³ Cr	C.1mg/m ³ CrO ₃	0.80
CARCINOGENS		NTP		IARC		OSHA
Sodium Chromate (2.5%)		listed		listed		not regulated
PROPER SHIPPING NAME:		HAZARD CLASS		HAZARD I.D. No.		
Cleaning Compound NOI		Not regulated		None		

SECTION III — PHYSICAL DATA:

BOILING POINT, °F: Not applicable		SPECIFIC GRAVITY: Not applicable	
VAPOR PRESSURE (mmHg):	Not applicable	VOLATILE, % BY VOL: Not applicable	
VAPOR DENSITY (AIR = 1):	Not applicable	EVAPORATION RATE Not applicable (Bu. Ac. = 1):	
APPEARANCE AND ODOR: Yellow free flowing powder		SOLUBILITY IN WATER: Appreciable pH of 3% Soln: 10	

SECTION IV — FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED: Not applicable - Nonflammable
EXTINGUISHING MEDIA: Not applicable
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS: Use self-contained respiratory protection. Any water runoff may contain hexavalent chrome and should not be allowed to enter sewer or waterways.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V — EMERGENCY, FIRST AID AND HEALTH INFORMATION:

EFFECTS OF OVER EXPOSURE: EYES: Contact with eyes may cause moderate to severe irritation, possible burns.
SKIN: May cause moderate to severe irritation.
INHALATION: Inhalation of chromate-containing dust or mist will cause severe irritation and possible permanent damage to upper respiratory tract and may cause lung cancer risk.
INGESTION: Moderate to severe irritation of gastrointestinal tract. May be fatal if swallowed. Toxic effects may not appear immediately.
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: None known

FIRST AID: EYES: Flush eyes with large volumes of water for at least 15 minutes. If irritation persists, obtain medical attention.

SKIN: Flush affected area with clean cool water. Wash with soap and water. Rinse thoroughly. If irritation persists or blistering occurs, obtain medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen. Obtain medical attention if irritation persists.

INGESTION: Do not induce vomiting except on advice of qualified medical personnel. If victim is conscious, dilute by giving large volumes of milk or water. Obtain immediate medical attention. Never attempt to induce vomiting or give anything by mouth to an unconscious person.

PRIMARY ROUTES OF ENTRY: INHALATION ☒ SKIN CONTACT ☒ OTHER _____

SECTION VI — REACTIVITY DATA:

STABILITY: STABLE ☒ UNSTABLE _____ HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID:

Strong acid, strong caustic, strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

None

SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE: Avoid contact with water until bulk of spill is removed. Cleanup personnel should use appropriate protective equipment. Shovel into DOT-approved drum for disposal. Residual amounts should be dissolved in water and solution collected in DOT-approved drums for disposal. Do not allow product or rinse water from spill to enter sewer or waterways.

USE SOLUTION: Confine spill. Stop leak at source if this can be done safely. Ventilate area. Evacuate nonessential personnel. Pump liquid into DOT-approved drums for disposal. Absorb remaining liquid onto inert absorbent and place in DOT-approved drums for disposal. Wash area with water. Collect washings and place in DOT-approved drums. Keep spill and washings from entering sewers or waterways.

DISPOSAL INFORMATION: CONCENTRATE: (1) Transfer to reclaiming center for recycling or reuse, if possible. (2) Transfer to licensed hazardous waste treatment or disposal site for disposition under applicable local, state and regional regulations as hazardous waste.

SPENT SOLUTION AND RINSES: Dispose per (1) or (2) above, or spent solution and rinses can be neutralized, floatable soil separated, and chromate removed by reduction and precipitation. Residual organic matter may be removed by oxidation and/or carbon treatment. Treat to remove phosphates if required. Clarified water may be released to sewer if local regulations permit.

SECTION VIII — SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION: For dust or mist conditions, a NIOSH-approved respirator for toxic dusts and mists is advised. If respirators are used, a formal training and screening program must be initiated. See CFR 1910-134.

VENTILATION: Maintain sufficient mechanical ventilation to keep particulate concentration below TLV.

PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES: ☒ *Not normally required but advised if necessary to avoid prolonged or repeated exposure.
GLOVES ☒ BOOTS ☒ APRON ☒ PROTECTIVE SUIT _____
GLOVES, BOOTS, APRON AND SUIT MADE FROM: Neoprene

RECOMMENDED PERSONAL HYGIENE: Wash hands and face with soap and water before smoking or eating. Immediately remove all contaminated clothing. Launder before reuse. Do not launder at home. Discard contaminated shoes.

SECTION IX — OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING: Store in dry protected area.

MIXING: Use care to avoid splashing and any skin or eye contact.

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT: Relieve any pressure. Cover openings to avoid spurting. Flush interior and exterior with water. Collect flushings for disposal. Use appropriate protective equipment for eyes, skin and inhalation.

DATE PREPARED:

DATE REVIEWED:

jd

11/5/85